

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 6,808,894 B1

Page 1 of 2

DATED : October 26, 2004 9/707468

INVENTOR(S): Nicholas C. Nicolaides; Luigi Grasso; Philip M. Sass

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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Title Page.

Item (56), References Cited, U.S. PATENT DOCUMENTS, please insert the following reference:

-- 5,885,827 3/1999 Wabl et al. 435/320.1 --.

OTHER PUBLICATIONS, please insert the following references:

-- Allen, D., et al., "MutS mediates heteroduplex loop formation by a translocation mechanism," EMBO J., 1997, 16(14), 4467-4476.

Baker, S.M., et al., "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis," Cell, 1995, 82, 309-319.

Bell, C.J. et al., "Assignment of 30 microsatellite loci to the linkage map of arabidopsis," Genomics, 1994, 19, 137-144.

Bignami M., "Unmasking a Killer: DNA O⁶-methylguanine and the Cytotoxicity of Methylating Agents", Mutat. Res., 2000, 462, 71-82.

Bjornson, K., et al., "Modulation of MutS ATP hydrolysis by DNA cofactors," Biochemistry, 2000, 39, 3176-3183.

Bronner, C.E., et al., "Mutation in the DNA mismatch repair gene homologue hMLH1 is associated with hereditary non-polyposis colon cancer," Nature, 1994, 368, 258-261.

de Wind, N., et al., "Inactivation of the mouse Msh2 gene results in mismatch repair deficiency, methylation tolerance, hyperrecombination, and predisposition to cancer," Cell, 1995, 82, 321-330.

Drummond, J.T., et al., "Isolation of an hMSH2-p160 heterodimer that restores DNA mismatch repair to tumor cells," Science, 1995, 268, 1909-1912.

Drummond, J.T. et al., "Cisplatin and adriamycin resistance are associated with mutla and mismatch repair deficiency in an ovarian tumor cell line," J. Biological Chemistry, 1996, 271(33), 19645-19648. --

MAILING ADDRESS OF SENDER: Woodcock Washburn

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-- Edelman, W., et al., "Meiotic pachytene arrest in MLH1-deficient mice," Cell, 1996, 85, 1125-1134.
Emery, S.C. and Harris, W.J., "Strategies for Humanizing Antibodies" In C.A.K. Borrebaeck (Ed.) ANTIBODY ENGINEERING. Oxford University Press, N.Y. 1995; pp. 159-183.
Eshleman, J.R., et al., "Mismatch repair defects in human carcinogenesis," Human Molecular Genetics, 1996, 5, 1489-1494.
Rulicke et al., Special review series-gene manipulation and integrative physiology, pp. 589-600, 1996.
Bishop Chromosomal insertion of foreign DNA, pp. 607-619, 1996.
Polejaeva et al., New advances in somatic cell nuclear transfer application in transgenesis, pp. 117-126, 2000.
Anderson, Human gene therapy, pp. 25-30, 1998. --.

Item (56), References Cited, OTHER PUBLICATIONS:

"Yu, Y. et al.," reference, please delete "induccs" and insert -- induces -- therefor.
"Hoang J., et al.," reference, please delete "Lnes"," and insert -- Lines", -- therefor.
"Khazaeli, M.B. et al.," reference, please delete "Huamn " and insert -- "Human -- therefor.
"Nicolaides, N.C., "A naturally occurring hPMS2 mutation..." reference, please delete "nutator" and insert -- mutator -- therefor.

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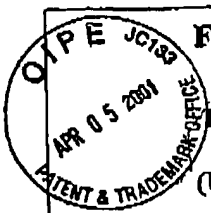
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Docket No.
MOR-0003Serial No.
09/707,468List of Patent and Publications
Cited by Applicant
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Nicholas C. Nicolaides, et al.U.S. Department of Commerce
Patent and Trademark OfficeFiling Date
November 7, 2000Group
1644

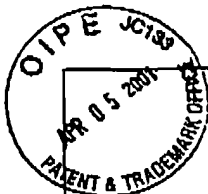
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>m</i>	AA	Allen, D., et al., "MutS mediates heteroduplex loop formation by a translocation mechanism," <i>EMBO J.</i> , 1997, 16(14), 4467-4476
	AB	Baker, S.M., et al., "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis," <i>Cell</i> , 1995, 82, 309-319
	AC	Bell, C.J., et al., "Assignment of 30 microsatellite loci to the linkage map of <i>arabidopsis</i> ," <i>Enomics</i> , 1994, 19, 137-144
	AD	Bignami M., "Unmasking a Killer: DNA O ⁶ -methylguanine and the Cytotoxicity of Methylating Agents", <i>Mutat. Res.</i> , 2000, 462, 71-82.
	AE	Bjornson, K., et al., "Modulation of MutS ATP hydrolysis by DNA cofactors," <i>Biochemistry</i> , 2000, 39, 3176-3183
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	AI	Drummond, J.T., et al., "Cisplatin and adriamycin resistance are associated with mutla and mismatch repair deficiency in an ovarian tumor cell line," <i>J. Biological Chemistry</i> , 1996, 271(33), 19645-19648
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	AK	Emery, S.C. and Harris, W.J., "Strategies for Humanizing Antibodies" In C.A.K. Borrebaeck (Ed.), <i>ANTIBODY ENGINEERING</i> . Oxford University Press, N.Y. 1995; pp. 159-183.
<i>✓</i>	AL	Eshleman, J.R., et al., "Mismatch repair defects in human carcinogenesis," <i>Human Molecular Genetics</i> , 1996, 5, 1489-1494
EXAMINER <i>Delh</i>		DATE CONSIDERED <i>6/26/02</i>



Form PTO-1449 Modified		Docket No. MOR-0003	Serial No. 09/707,468
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Applicant Nicholas C. Nicolalides, et al.	
		Filing Date November 7, 2000	Group 1644
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	AM	Fiedler, U. et al., "High-Level Production and Long-Term Storage of Engineered Antibodies in Transgenic Tobacco Seeds", <i>Bio/Technology</i> , 1995, 13, 1090-1093	
<input type="checkbox"/>	AN	Frigerio, L. et al., "Assembly, Secretion, and Vacuolar Delivery of a Hybrid Immunoglobulin in Plants", <i>Plant Physiol</i> , 2000, 123, 1483-1494	
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<input type="checkbox"/>	AP	Glaser, V., "Gene Therapy's Other Investment Window", <i>Nat. Biotechnol.</i> , 1996, 14, 1216-1217	
<input type="checkbox"/>	AQ	Harfe, B.D., "DNA mismatch repair and genetic instability," <i>Annu. Rev. Genet.</i> , 2000, 34, 359-399.	
<input type="checkbox"/>	AR	Hoang J., et al., "BAT-26, an Indicator of the Replication Error Phenotype in Colorectal Cancers and Cell Lines", <i>Cancer Res.</i> , 1997, 57, 300-303	
<input type="checkbox"/>	AS	Honma, M. et al., "Cytotoxic and Mutagenic Responses to X-rays and Chemical Mutagens in Normal and p53-mutated Human Lymphoblastoid Cells", <i>Mut. Res.</i> , 1997, 374, 89-98	
<input type="checkbox"/>	AT	Jiricny, J., et al., "Mismatch repair defects in cancer," <i>Curr. Opin. Genet. Dev.</i> , 2000, 10, 157-161	
<input type="checkbox"/>	AU	Karran, P., et al., "Genomic instability and tolerance to alkylating agents," <i>Cancer Surveys</i> , 1996, 28, 69-71	
<input type="checkbox"/>	AV	Khazaeli, M.B. et al., "Human Immune Response to Monoclonal Antibodies", <i>J. Immunother.</i> , 1994, 15, 42-52	
<input checked="" type="checkbox"/>	AW	Kong, Q., et al., "PMS2-deficiency diminishes hypermutation of a lamdal transgene in young but not older mice", <i>Mol. Immunol.</i> , 1999, 36, 83-91	
<input checked="" type="checkbox"/>	AX	Leach, F.S., et al., "Mutations of a mutS homolog in hereditary nonpolyposis colorectal cancer," <i>Cell</i> , 1993, 75, 1215-1225	
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Sheet 3 of 6

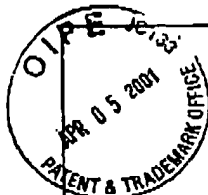
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	AY	Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer," <i>Genes, Chromosomes & Cancer</i> , 2000, 27, 17-25	
	AZ	McCallum, C.M., "Targeted screening for induced mutations," <i>Nature Biotechnology</i> , 2000, 18, 455-457	
	BA	Modrich, P., "Mismatch repair, genetic stability, and cancer," <i>Science</i> , 1994, 266, 1959-1960	
	BB	Neuberger, M., et al., "Mice perform a human repertoire," <i>Nature</i> , 1997, 386, 25-26	
	BC	Nicolaides, N.C., et al., "The jun family members, c-jun and junD, transactivate the human c-myb, promoter via an Apl-like element," <i>J. Biological Chemistry</i> , 1992, 267(27), 19655-19672	
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	BG	Nicolaides, N.C., et al., "Analysis of the 5' region of PMS2 reveals heterogeneous transcripts and a novel overlapping gene," <i>Genomics</i> , 1995, 29, 329-334	
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	BI	Palombo, F., et al., "Mismatch repair and cancer," <i>Nature</i> , 1994, 367, 417	
	BJ	Papadopoulos, N., et al., "Mutation of a mutL homolog in hereditary colon cancer," <i>Science</i> , 1994, 263, 1625-1629	
	BK	Papadopoulos, N., et al., "Mutations of GTBP in genetically unstable cells," <i>Science</i> , 1995, 268, 1915-1917	
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Sheet 4 of 6

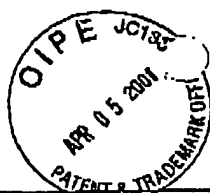
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
<input checked="" type="checkbox"/>	BL	Parsons, R., et al., "hypermutability and mismatch repair deficiency in RER+ tumor cells," <i>Cell</i> , 1993, 75, 1227-1236	
<input checked="" type="checkbox"/>	BM	Peinado, M.A., et al., "Isolation and characterization of allelic losses and gains in colorectal tumors by arbitrarily primed polymerase chain reaction," <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89, 10065-10069	
<input checked="" type="checkbox"/>	BN	Perucho, M., et al., "Cancer of the microsatellite mutator phenotype," <i>Biol. Chem.</i> , 1996, 377, 675-684	
<input checked="" type="checkbox"/>	BO	Prolla, T.A., et al., "MLH1, PMS1, and MSH2 interactions during the initiation of DNA mismatch repair in yeast," <i>Science</i> , 1994, 265, 1091-1093	
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<input checked="" type="checkbox"/>	BQ	Saez-Llorens, X.E. et al., "Safety and pharmacokinetics of an intramuscular humanized monoclonal antibody to respiratory syncytial virus in premature infants and infants with bronchopulmonary dysplasia," <i>Pediat. Infect. Dis. J.</i> , 1998, 17(9), 787-791	
<input checked="" type="checkbox"/>	BR	Schrader, C.E. et al., "Reduced Isotype Switching in Splenic B Cells from Mice Deficient in Mismatch Repair Enzymes," <i>Journal of Experimental Medicine</i> , 1999, 190(3), 323-330	
<input checked="" type="checkbox"/>	BS	Shield, C.F. et al., "A Cost-Effectiveness Analysis of OKT3 Induction Therapy in Cadaveric Kidney Transplantation," <i>Am. J. Kidney Dis.</i> , 1996, 27, 855-864	
<input checked="" type="checkbox"/>	BT	Shields, R.L. et al., "Anti-IgE Monoclonal Antibodies that Inhibit Allergen-Specific Histamine Release," <i>Int. Arch. Allergy Immunol.</i> , 1995, 107, 412-413	
<input checked="" type="checkbox"/>	BU	Spampinato, C., et al., "The MutL ATPase is required for mismatch repair," <i>J. Biological Chemistry</i> , 2000, 275(13), 9863-9869	
<input checked="" type="checkbox"/>	BV	Strand, M., et al., "Destabilization of tracts of simple repetitive DNA in yeast by mutations affecting DNA mismatch repair," <i>Nature</i> , 1993, 365, 274-276	
<input checked="" type="checkbox"/>	BW	Su, S., et al., "Mismatch specificity of methyl-directed DNA mismatch correction In Vitro," <i>J. Biological Chemistry</i> , 1988, 263(14), 6829-6835	
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*	BX	Vora, K.A. et al., "Severe Attenuation of the B Cell Immune Response in Msh2-deficient Mice", <i>Journal of Experimental Medicine</i> , February 1999, 189(3), 471-481	
	BY	Wheeler, J.M.D., et al., "The role of hypermethylation of the <i>hMLH1</i> promoter region in HNPCC versus MSI+sporadic colorectal cancers," <i>J. Med. Genet.</i> , 2000, 588-592	
*	BZ	Winter, D.B. et al., "Altered spectra of hypermutation in antibodies from mice deficient for the DNA mismatch repair protein PMS2", <i>Proc. Natl. Acad. Sci., USA</i> , June 1998, 95, 6953-6958	
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DA	CA	5,530,101	06/25/96	Queen et al.	530 387.3
FOREIGN PATENT DOCUMENTS					
Examiner Initial		Document No.	Date	Country	Translation YES NO
EXAMINER				DATE CONSIDERED	6/26/16